

LINEAR BASIC POLYMER, MANUFACTURE AND USE**Publication number:** JP58023809**Publication date:** 1983-02-12**Inventor:** FURITSUTSU BURUNMIYURAA; RORUFU SHIYUNADAA; MIHIYAERU KUREENAA; HANSU MIYURAA; FURIIDORITSUHI RINHARUTO; HANSU BURUKERUTO; KAARUUHAINTSU BEIYAA**Applicant:** BASF AG**Classification:****- international:** B01D21/01; C08F8/00; C08F8/12; C08F26/00; C08F26/02; D06Q1/10; D21H17/34; D21H17/37; D21H17/45; B01D21/01; C08F8/00; C08F26/00; D06Q1/00; D21H17/00; (IPC1-7): C08F8/12; C08F26/02; D21H3/38**- european:** C08F8/00; D21H17/34; D21H17/45B**Application number:** JP19820123071 19820716**Priority number(s):** DE19813128478 19810718**Also published as:**

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Linear basic polymers containing, as characteristic components, from 90 to 10 mole % of copolymerized units of the formula and from 10 to 90 mole % of copolymerized units of the formula are obtained by polymerizing the compound of the formula $\text{CH}_2=\text{CH}-\text{NH}-\text{CHO}$ (N-vinylformamide) to a polyvinylformamide in the presence of a free radical polymerization initiator and splitting off the formyl group from the resulting polymer at from 20 DEG to 200 DEG in the presence of an acid or base. The reaction products are used as retention agents, drainage assistants and flocculants in papermaking.

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